

EAST Search History (Prior Art)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|--------------------|------------------|---------|------------------|
| S2 | 3 | ("5344535" "5569367" "7373805").PN. | US-PGPUB; USPAT | OR | ON | 2009/06/19 14:10 |
| S3 | 1 | ("5711888").PN. | US-PGPUB; USPAT | OR | ON | 2009/06/19 14:38 |
| S4 | 1 | "4983189".PN. | US-PGPUB; USPAT | OR | ON | 2009/06/19 14:58 |
| S5 | 1 | "6332541".PN. | US-PGPUB; USPAT | OR | ON | 2009/06/19 15:01 |
| S6 | 0 | ((Hawkes-Jeremy Coakley-William).IN. ("Secretary of State for the Defense").AS.) | US-PGPUB; USPAT | OR | ON | 2009/06/19 15:18 |
| S7 | 0 | (Hawkes-Jeremy Coakley-William).IN. | US-PGPUB; USPAT | OR | ON | 2009/06/19 15:18 |
| S8 | 752 | (Hawkes Coakley).IN. | US-PGPUB; USPAT | OR | ON | 2009/06/19 15:19 |
| S9 | 58 | (Hawkes Coakley).IN. and separat\$4 and (acoustic sound sonic ultrasonic megasonic) | US-PGPUB; USPAT | OR | ON | 2009/06/19 15:19 |
| S10 | 84 | (Hawkes Coakley).IN. and separat\$4 and (acoustic sound sonic ultrasonic megasonic node) | US-PGPUB; USPAT | OR | ON | 2009/06/19 15:19 |
| S11 | 126 | (Hawkes Coakley).IN. and (acoustic sound sonic ultrasonic megasonic node) | US-PGPUB; USPAT | OR | ON | 2009/06/19 15:43 |
| S12 | 42 | S11 not S10 | US-PGPUB; USPAT | OR | ON | 2009/06/19 15:43 |
| S13 | 0 | ("Secretary of State for the Defense").AS. | US-PGPUB; USPAT | OR | ON | 2009/06/19 15:51 |
| S14 | 26 | ("5763906" "6379697" "6127996" "6958198" "6127679" "6322895" "5748166" "6143411" "6547982" "6399228" "6377918" "6078421" "6388256" "6511612" "6485583" "6565853" "6850013" "6608120" "6864944" "6770579" "20030036072" "7537771" "6822226" "20060163166" "20060157614" "20080111448").PN. | US-PGPUB; USPAT | OR | ON | 2009/06/19 15:56 |
| S15 | 1 | "6332541".PN. | US-PGPUB; USPAT | OR | ON | 2009/06/19 15:59 |
| S16 | 6 | (US-20060163166-\$ or US-20060096353-\$). did. or (US-5711888-\$ or US-7373805-\$ or US-4983189-\$ or US-6332541-\$).did. | US-PGPUB; USPAT | OR | ON | 2009/06/19 16:00 |
| S17 | 163 | coakley.IN. | EPO; DERWENT | OR | ON | 2009/06/20 08:27 |

EAST Search History (Prior Art)

| | | | | | | |
|-----|------|--|----------------------|----|----|------------------|
| S18 | 1378 | (134/1 134/10 134/34 134/36 134/42 134/60 134/104.2 134/104.3 134/104.4 134/109 134/201 209/1 209/4 209/13 209/17 209/18 209/155-161).ccls. and separat\$4 and (acoustic sound sonic ultrasonic megasonic) | US-PGPUB; USPAT | OR | ON | 2009/06/20 08:51 |
| S19 | 92 | S18 and laminar | US-PGPUB; USPAT | OR | ON | 2009/06/20 08:52 |
| S20 | 352 | S18 and reflect\$4 | US-PGPUB; USPAT | OR | ON | 2009/06/20 09:10 |
| S21 | 77 | S18 and ("standing wave" "pressure node") | US-PGPUB; USPAT | OR | ON | 2009/06/20 09:39 |
| S22 | 7630 | separat\$4 and (acoustic sound sonic ultrasonic megasonic) and @PY<"2002" | JPO | OR | ON | 2009/06/20 09:52 |
| S23 | 46 | separat\$4 and (acoustic sound sonic ultrasonic megasonic) and @PY<"2002" and ("standing wave" "pressure node") | JPO | OR | ON | 2009/06/20 09:52 |
| S25 | 14 | separat\$4 and (acoustic sound sonic ultrasonic megasonic) and @PY<"2002" and ("standing wave" "pressure node") | EPO | OR | ON | 2009/06/20 10:01 |
| S26 | 6 | (US-20060163166-\$ or US-20060096353-\$). did. or (US-5711888-\$ or US-7373805-\$ or US-4983189-\$ or US-6332541-\$).did. | US-PGPUB; USPAT | OR | ON | 2009/06/20 10:23 |
| S28 | 7 | (US-20060163166-\$ or US-20060096353-\$). did. or (US-5711888-\$ or US-7373805-\$ or US-4983189-\$ or US-6332541-\$).did. or (WO-9850133-\$).did. | US-PGPUB; USPAT; EPO | OR | ON | 2009/12/02 14:17 |
| S31 | 676 | (acoustic sound sonic ultrasonic megasonic) and @PY<"2003" and ("standing wave" "pressure node") | JPO | OR | ON | 2009/12/02 14:25 |
| S32 | 5 | (acoustic sound sonic ultrasonic megasonic) and @PY<"2003" and ("standing wave" "pressure node") and (laminar with fluids!) | US-PGPUB; USPAT | OR | ON | 2009/12/02 14:25 |
| S33 | 123 | (acoustic sound sonic ultrasonic megasonic) and @PY<"2003" and ("standing wave" "pressure node") and laminar | US-PGPUB; USPAT | OR | ON | 2009/12/02 14:26 |
| S34 | 118 | S33 not S32 | US-PGPUB; USPAT | OR | ON | 2009/12/02 14:26 |
| S35 | 2242 | 210/748.ccls. | US-PGPUB; USPAT | OR | ON | 2009/12/02 15:04 |
| S36 | 1246 | 210/748.ccls. and @PY<"2003" | US-PGPUB; USPAT | OR | ON | 2009/12/02 15:05 |
| S37 | 246 | 210/748.ccls. and @PY<"2003" and (acoustic sound sonic ultrasonic megasonic) | US-PGPUB; USPAT | OR | ON | 2009/12/02 15:05 |
| S38 | 54 | 210/748.ccls. and @PY<"2003" and (acoustic sound sonic ultrasonic megasonic) and ("standing wave" "pressure node") | US-PGPUB; USPAT | OR | ON | 2009/12/02 15:06 |

EAST Search History (Prior Art)

| | | | | | | |
|-----|------|--|----------------------|----|----|------------------|
| S39 | 59 | 210/748.ccls. and @PY<"2003" and (acoustic sound sonic ultrasonic megasonic) and ("standing wave" node) | US-PGPUB; USPAT | OR | ON | 2009/12/02 15:06 |
| S40 | 11 | (piezoceramic with window) and @PY<"2003" | US-PGPUB; USPAT | OR | ON | 2009/12/02 15:21 |
| S41 | 187 | S37 not S39 | US-PGPUB; USPAT | OR | ON | 2009/12/02 15:43 |
| S42 | 15 | (US-20060163166-\$ or US-20060096353-\$ or US-20020160470-\$).did. or (US-5711888-\$ or US-7373805-\$ or US-4983189-\$ or US-6332541-\$ or US-5979664-\$ or US-5419877-\$ or US-6216538-\$ or US-5858107-\$ or US-4743361-\$ or US-4703333-\$ or US-RE33524-\$).did. or (WO-9850133-\$).did. | US-PGPUB; USPAT; EPO | OR | ON | 2009/12/02 15:45 |
| S43 | 1 | "4743361".PN. | US-PGPUB; USPAT | OR | ON | 2009/12/03 08:08 |
| S44 | 15 | (US-20060163166-\$ or US-20060096353-\$ or US-20020160470-\$).did. or (US-5711888-\$ or US-7373805-\$ or US-4983189-\$ or US-6332541-\$ or US-5979664-\$ or US-5419877-\$ or US-6216538-\$ or US-5858107-\$ or US-4743361-\$ or US-4703333-\$ or US-RE33524-\$).did. or (WO-9850133-\$).did. | US-PGPUB; USPAT; EPO | OR | ON | 2009/12/03 09:51 |
| S45 | 2638 | particle and (acoustic sonic ultrasonic megasonic) | JPO | OR | ON | 2009/12/03 10:00 |
| S47 | 3 | "particle handling" and (acoustic sonic ultrasonic megasonic) and @PY<"2003" | JPO | OR | ON | 2009/12/03 10:01 |
| S48 | 117 | (particle with separat\$4) and (acoustic sonic ultrasonic megasonic) and @PY<"2003" | JPO | OR | ON | 2009/12/03 10:03 |
| S49 | 821 | ("standing wave" node) and (acoustic sonic ultrasonic megasonic) and @PY<"2003" | JPO | OR | ON | 2009/12/03 10:13 |
| S50 | 136 | ("standing wave" node) and (acoustic sonic ultrasonic megasonic) and @PY<"2003" | EPO | OR | ON | 2009/12/03 13:11 |
| S51 | 1 | "4743361".PN. | US-PGPUB; USPAT | OR | ON | 2009/12/03 13:32 |

EAST Search History (Interference)

| | | | | | |
|--|--|----------------------------------|--|--|--|
| | | < This search history is empty > | | | |
|--|--|----------------------------------|--|--|--|